

Title (en)
BATTERY BOX, BATTERY, ELECTRICAL DEVICE, METHOD AND DEVICE FOR PREPARING BATTERY

Title (de)
KASTEN FÜR BATTERIE, BATTERIE, STROMVERBRAUCHSVORRICHTUNG UND VERFAHREN UND EINRICHTUNG ZUR HERSTELLUNG EINES KASTENS

Title (fr)
COMPARTIMENT DE BATTERIE, BATTERIE, DISPOSITIF ÉLECTRIQUE, PROCÉDÉ ET DISPOSITIF DE PRÉPARATION DE BATTERIE

Publication
EP 4235922 A4 20240417 (EN)

Application
EP 22737701 A 20220112

Priority
CN 2022071536 W 20220112

Abstract (en)
[origin: US2023223641A1] Provided are a box of a battery, a battery, a power consumption apparatus, and a method and apparatus for producing a battery. The box includes: an electrical chamber configured to accommodate a battery cell, a pressure relief mechanism being disposed on a first wall of the battery cell, and the pressure relief mechanism being configured to be actuated when an internal pressure or temperature of the battery cell reaches a threshold, to relieve the internal pressure; a collecting chamber configured to collect emissions from the battery cell when the pressure relief mechanism is actuated, the collecting chamber being isolated from the electrical chamber; and a first thermal management component configured to accommodate a fluid to adjust a temperature of the battery cell, the first thermal management component being attached to a second wall of the battery cell, and the second wall being different from the first wall.

IPC 8 full level
H01M 50/209 (2021.01); **H01M 10/613** (2014.01); **H01M 50/342** (2021.01)

CPC (source: EP KR US)
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Citation (search report)

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- [X] EP 3926747 A1 20211222 - CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]
- See also references of WO 2023133722A1

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US 2023223641 A1 20230713; CA 3227076 A1 20230720; CA 3236561 A1 20230720; CA 3236562 A1 20230720; CN 116998054 A 20231103; CN 117083759 A 20231117; CN 218414891 U 20230131; CN 219873923 U 20231020; CN 220306441 U 20240105; EP 4235922 A1 20230830; EP 4235922 A4 20240417; EP 4358262 A1 20240424; EP 4369500 A1 20240515; JP 2024507420 A 20240220; JP 2024526676 A 20240719; JP 2024529370 A 20240806; KR 20230110440 A 20230724; KR 20240020278 A 20240214; KR 20240023439 A 20240221; US 2024162526 A1 20240516; US 2024213573 A1 20240627; WO 2023133722 A1 20230720; WO 2023134273 A1 20230720; WO 2023134319 A1 20230720

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US 202217860295 A 20220708; CA 3227076 A 20220112; CA 3236561 A 20221130; CA 3236562 A 20221031; CN 2022071536 W 20220112; CN 2022128748 W 20221031; CN 2022135647 W 20221130; CN 202280019141 A 20221130; CN 202280021161 A 20221031; CN 202290000046 U 20220112; CN 202320565378 U 20230321; CN 202320658585 U 20230329; EP 22737701 A 20220112; EP 22919907 A 20221031; EP 22919952 A 20221130; JP 2022534433 A 20220112; JP 2024500680 A 20221031; JP 2024502659 A 20221130; KR 20227019092 A 20220112; KR 20247001276 A 20221031; KR 20247002119 A 20221130; US 202418419574 A 20240123; US 202418421218 A 20240124